

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF AIR QUALITY

FOR OFFICIAL USE ONLY	,
Title V OP Number:	
Reviewed by:	
Date:	

TITLE V PERMIT APPLICATION

Section 1 - Ger	neral Information	ji si			
1.1 Application	- 545		. (3)	2	
Type of perm	nit for which applicatio	on is made: (Che	eck one)		
⊠ Renewal	Operating Perm	it No. 63-00016			
☐ Application	on Revision - provide	date of original	Title V Application or	OP Number:	
1.2 Plant Inform	ation				
Federal Tax ID/Plant Code:	23-3020481-2	Firm Name:	ALLEGHENY ENE	RGY SUPPLY CO/MITCHELL	POWER
SIC Code:	4911	Plant Name:	MITCHELL POWE	R STA	
Description of SIC	: Trans. & Utilities	- Electric Service	es	5	
County:	Washington	1.3 26	Municipality	Monongahela	
UTM Zone:	17	UTM North:	4452.62	UTM East: 587.74	
Method of Obtaini	ing UTM: Unknowr	1	2		
1.3 Contact Info	rmation				
Name: BETHAN	IY J MILLER		Title:	Engineer, Environmental P	'erformance
	CABIN HILL DR	V9 252023			
GRE	ENSBURG, PA 1560	01-1650			
Telephone Numbe	er: (724) 838-6133	<u> </u>			
1.4 Certification	of Truth, Accuracy a	and Completen	ess		
				ns without a signed certification w	vill be
returned as incomplet	te.	7		and the second of the second s	Action Services
I certify und statements a	er penalty of law th and information cont	at, based on ir ained in this ap	nformation and beli plication are true, a	ef formed after reasonable accurate, and complete.	inquiry, the
(Signed)	XII CX 4	1	Date:	9/20/06	
Name (Typed):	eo d. Rajter		Title:	Vide President, Supply Opera	ations

Section 3 – Site Inventory

Give a complete list of all air pollution sources, control equipment, emission points, and fuel material locations within this site.

For renewals, only list sources not included in the current Title V Operating Permit or sources which are now subject to Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64. If a list of sources included in the current Title V Operating Permit is provided below, correct and/or add any new sources as necessary. Note: one (1) of the following sections (5,6 or 7) of the application must be completed for each new source listed here.

Unit ID	Company Designation	Unit Type	CAM (x)
031	B & W Oil Unit	Combustion Unit	
032	B & W Oil Unit	Combustion Unit	
033	B & W Oil Unit	Combustion Unit	
034	Mitchell Unit 3 (Boiler 33)	Combustion Unit	X
035	Auxiliary Boiler 1	Combustion Unit	
036	Auxiliary Boiler 2	Combustion Unit	
104	23 Kerosene Fired Space Heaters	Combustion Unit	
101	Emergency Diesel Generator	Process	
102	Facility Fugitive Dust Emissions	Process	
103	No.2 Fuel Oil Storage Tanks	Process	
105	Waste Water Treatment System	Process	
110	Lime Silo 1 (3sl1)	Process	
111	Lime Silo 2 (3sl2)	Process	
112	Lime Silo 3 (3sl3)	Process	
113	Lime Roll Crusher	Process	
114	Barge Unloading Area	Process	
115	Vacuum Conveying System	Process	
C01	Buell Eng. Co-Esp	Control Device	
C02	American Standard Esp	Control Device	
C03	Chemico Fgd System	Control Device	
C07	Main Fly Ash Silo Baghouse	Control Device	
C08	Swp Flyash Silo Baghouse	Control Device	
C09	Lime Silo Baghouse	Control Device	
C10	Silo 1 Baghouse (3dc1)	Control Device	
C11	Silo 2 Baghouse (3dc2)	Control Device	
C12	Silo 3 Baghouse (3dc3)	Control Device	
C13	Lime Crusher Baghouse (3dc4)	Control Device	
214	Barge Unloading Area Baghouse (3dc5)	Control Device	
215	Vacuum Conveying System Baghouse	Control Device	
501	Boiler 1 Stack	Point of Air Emission	
502	Boiler 2 Stack	Point of Air Emission	
503	Boiler 3 Stack	Point of Air Emission	
504	Boiler 4 Stack	Point of Air Emission	
05	Aux Boilers Stack	Point of Air Emission	
06	Emergency Diesel Generator Stack	Point of Air Emission	
510	Silo 1 Baghouse Stack	Point of Air Emission	
11	Silo 2 Baghouse Stack	Point of Air Emission	
12	Silo 3 Baghouse Stack	Point of Air Emission	
13	Crusher Baghouse Stack	Point of Air Emission	
14	Barge Area Baghouse Stack	Point of Air Emission	

Section 4 - So	urce Group (Optional)	3 °	
4.1 Source Gro	up Definition		
Define groups group.	of source(s) that are subject to or	ne or more applicable requirement	s that apply to all source(s) in the
V Operating P Operating Perr	only list group level requirements ermit. If a list of source groups nit is provided below, correct and If there are no changes, check the	included in the current Title V l/or add any new source groups	No changes from current Title V Operating Permit.
Group No.		Source ID (for source(s) in this g	group)
G01	031, 032, 033		
G02	110, 111, 112, 113, 114, 115	5	
G03	110, 111, 112		
G04	031, 032, 033, 034		
G05	035, 036	19	8
		3	
4.2 Applicable R	equirements for Source Group	s	
	s, only list group level requiren / Operating Permit. If there are r		No changes from current Title V Operating Permit.
Describe and	cite all applicable requirements p	pertaining to all source groups.	
Note: A Metho	od of Compliance Worksheet (Adder	ndum 1) must be completed for each re	equirement listed.
Group Number	Citation Number	Citation Limitation	Limitation Used
	W.		

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
#2 Oil	1-01-005-01	6,099.00 Th Gal/hr	
Natural Gas	1-01-006-01	841.00 MMCF/hr	

If taking limitations on Fuel Physical Characteristics, see instructions.

	BTU Content (Units)

^{*}FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
						411
		_				
						Air

Section 5 - Combustion Operational Inventory
(Complete this section for each combustion source in this site. Duplicate this section as needed).
For renewals, review and correct any pre-printed information and add additional sections for any new combustion unit listed in Section 3 of this application.
5.1 General Source Information
a. Unit ID: 032 b. Company Designation: B & W-OIL UNIT
c. Plan Approval or Operating Permit Number:
d. Manufacturer: BABCOCK & WILCOX e. Model Number:
f. Source Description: Combustion Unit
g. Rated Heat Input/Thruput: 841 mmBtu/hr h. Installation Date: 02/01/1949
i. Exhaust 375 Units deg F j. Exhaust % 2 k. Exhaust Flow 149,289 SCFM Moisture Volume:
5.2 CAM Information
Yes No
Emissions unit uses a control device to achieve compliance
☐ ☐ Potential precontrol emissions of applicable pollutant are at least 100 percent of major source amount.
(Addendum 3 must be completed if both boxes are checked "Yes")
5.3 Exhaust System Components Explain how the exhaust components are configured:
From Unit Unit Description To Unit Unit Description Percent Flow
032 Combustion Unit S02 Point of Air Emission 100

For renewals, or current Title V C box to the right.	nly list source level requirem Operating Permit. If there are	nents not included in the e no changes, check the Oper	hanges from current Titlerating Permit.
Fuel/SCC	Citation Number	- Citation Limitation	Limitation Used
	-		
		3	is a second
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			i i
	11 N		
8			e e
	-		

5.7

Source Applicable Requirements

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
#2 Oil	1-01-005-01	6,099.00 Th Gal/hr	15
Natural Gas	1-01-006-01	841.00 MMCF/hr	

If taking limitations on Fuel Physical Characteristics, see instructions.

FML	% Sulfur	% Ash	BTU Content (Units
		// Sullul	76 Sullul 76 ASI

^{*}FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
					ax imaput	Offics/Time
11						
	9					
		A CONTRACTOR OF THE PARTY OF TH	W			

Section 5 - Combustion Operational Inventory						
(Complete this section for each combustion source in this site. Duplicate this section as needed).						
For renewals, review and correct any pre-printed information and add additional sections for any new combustion unit listed in Section 3 of this application.						
5.1 General Source Information						
a. Unit ID: 034 b. Company Designation: MITCHELL UNIT 3 (BOILER 33)						
c. Plan Approval or Operating Permit Number:						
d. Manufacturer: COMBUSTION e. Model Number: ENGINEERING						
f. Source Description: Combustion Unit						
g. Rated Heat Input/Thruput: 2988 mmBtu/hr h. Installation Date: 09/01/1963						
i. Exhaust 300 Units deg F j. Exhaust % 2 k. Exhaust Flow 751,763 SCFM Temperature Moisture Volume:						
5.2 CAM Information						
Yes No ⊠ □ Emissions unit uses a control device to achieve compliance □ □ Potential precontrol emissions of applicable pollutant are at least 100 percent of major source amount.						
(Addendum 3 must be completed if both boxes are checked "Yes")						

5.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
034	Combustion Unit	C01	Control Device	100
C01	Control Device	C02	Control Device	100
C02	Control Device	C03	Control Device	100
C03	Control Device	S04	Point of Air Emission	100
	4.			

source level requirements ng Permit. If there are no itation Number	s not included in the changes, check the Citation Limitation	Opera	anges from current Title ating Permit. Limitation Used
itation Number	Citation Limitation	n	Limitation Used

5.7

Source Applicable Requirements

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
Natural Gas	1-01-006-04	25.57 MMCF/hr	
#2 Oil	1-01-005-01	185.00 Th Gal/hr	
W		10	

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)
				A.

^{*}FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
						14 14 15 - Shift Hardy 15
					95	

Section 5 - Combustion Operational Inventory							
(Complete this section for each combustion source in this site. Duplicate this section as needed).							
For renewals, review and correct any pre-printed information and add additional sections for any new combustion unit listed in Section 3 of this application.							
5.1 General Source Information							
a. Unit ID: 036 b. Company Designation: AUXILIARY BOILER 2							
c. Plan Approval or Operating Permit Number:							
d. Manufacturer: JOHNSON BOILER e. Model Number: PFTA800-4 COMPANY							
f. Source Description: Combustion Unit							
g. Rated Heat Input/Thruput: 27 mmBtu/hr h. Installation Date:							
i. Exhaust 385 Units deg F j. Exhaust % 12 k. Exhaust Flow 6,330 SCFM Temperature Moisture Volume:							
5.2 CAM Information							
Yes No							
 Emissions unit uses a control device to achieve compliance Potential precontrol emissions of applicable pollutant are at least 100 percent of major source amount. 							
(Addendum 3 must be completed if both boxes are checked "Yes")							
5.3 Exhaust System Components							
Explain how the exhaust components are configured:							
From Unit Unit Description To Unit Unit Description Percent Flow							
036 Combustion Unit S05 Point of Air Emission 100							

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.								
Fuel/SCC	Citation Number	Citation Limitation	Limitation Used					

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		% **						

Source Applicable Requirements

5.7

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
20			

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)
·				

^{*}FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
	48					
	-					

Section 5 - Combustion Operational Inventory	
(Complete this section for each combustion source in this site. Duplicate this section as needed).	
For renewals, review and correct any pre-printed information and add additional sections for any new combustion unlisted in Section 3 of this application.	nit
5.1 General Source Information	
a. Unit ID: b. Company Designation:	-8
c. Plan Approval or Operating Permit Number:	
d. Manufacturer: e. Model Number:	ii .
f. Source Description:	_
g. Rated Heat Input/Thruput: h. Installation Date:	
i. Exhaust Units j. Exhaust % k. Exhaust Flow Yolume:	FM
5.2 CAM Information	
Yes No Emissions unit uses a control device to achieve compliance Potential precontrol emissions of applicable pollutant are at least 100 percent of major source amount	ıt.
(Addendum 3 must be completed if both boxes are checked "Yes")	
5.3 Exhaust System Components Explain how the exhaust components are configured:	
From Unit Unit Description To Unit Unit Description Percent Flow	w

5.7 Source Applic	cable Requirements		
		- 10 Ps 10 10 10 77	
Describe and o	cite all applicable requiremen	nts pertaining to this source.	
Note: A Metho	od of Compliance Worksheet	(Addendum 1) must be completed for ea	ch requirement listed.
For renewals, of current Title V box to the right	only list source level requirer Operating Permit. If there a	ments not included in the No c No c Ne no changes, check the	hanges from current Title V rating Permit.
Fuel/SCC	Citation Number	Citation Limitation	Limitation Used
	255		
		5	
	8		
			T.
**			
F-			
		9	
			1

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
Fuei/Material	Associated 555		

If taking limitations on Fuel Physical Characteristics, see instructions.

1	
e - 1	

^{*}FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.1 of this application.

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
329						

Section 7 - Process Operational Inventory
(Complete this section for each process at this site. Duplicate this section as needed).
For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.
7.1 General Source Information
a. Unit ID: 101 b. Company Designation: EMERGENCY DIESEL GENERATOR
c. Plan Approval or Operating Permit Number:
d. Manufacturer: CATERPILLAR e. Model Number: D398 SERIES B
f. Source Description: Process
g. Rated Heat Input/Thruput: h. Installation Date: 01/01/1968
i. Exhaust 300 Units deg F j. Exhaust 5 k. Exhaust Flow 9,938 SCFM Temperature % Moisture Volume:
7.2 CAM Information
Yes No ☐ ☐ Emissions unit uses a control device to achieve compliance with emission limitations or standards. ☐ Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount
(Addendum 3 must be completed if both are checked "Yes")
7.3 Exhaust System Components Explain how the exhaust components are configured:
From Unit Unit Description To Unit Unit Description Percent Flow
101 Process S06 Point of Air Emission 100

7.7	Source Applica	able Requirements			
	Describe and cit Note: A Method	te all applicable requirements p I of Compliance Worksheet (Ad	ertaining to this	s source. st be completed for eac	ch requirement listed.
		nly list source level requirement perating Permit. If there are no			changes from current Title V erating Permit.
F	uel/Product	Citation Number	Citatio	n Limitation	Limitation Used
		3			
	1				
7.0	Raw Materials				
7.8		A SECULIAR S			
	List all of the ra regulate emission	aw materials used in this produces.	cess to the ex	tent that this information	on is needed to determine or
					2
7.9	Processing Ste	ps			
		at this information is needed to	determine or re	egulate emissions, list a	all of the processing steps and
	raw materials for	r each step utilized to complete	the material o	r product.	
Step)	Description		Raw	Materials
			2		
7.10	Request for Co	nfidentiality		4	
	Do you request t	hat the information on this pag	e be considere	d kept confidential?	
	☐ Yes	⊠ No			
	If yes, include a	justification for confidentiality th	at meets the re	equirement of 25 Pa. Co	ode § 127.411(d).
	F3				
					-

7.4 Source Classification Code (SCC) Listing for Standard Operation					
Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence		
		(16)			
	×	1			
			S		
	5				

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)
				-
		= 1		NA.

^{*}FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
			5			
	-					
		F1		110		

Section 7 - Process Operational Inventory
(Complete this section for each process at this site. Duplicate this section as needed).
For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.
7.1 General Source Information
a. Unit ID: 103 b. Company Designation: NO.2 FUEL OIL STORAGE TANKS
c. Plan Approval or Operating Permit Number:
d. Manufacturer: N/A e. Model Number: N/A
f. Source Description: Process
g. Rated Heat Input/Thruput: h. Installation Date:
i. Exhaust Units j. Exhaust k. Exhaust Flow SCFM Temperature % Moisture Volume:
7.2 CAM Information
Yes No
Emissions unit uses a control device to achieve compliance with emission limitations or standards.
Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.
(Addendum 3 must be completed if both are checked "Yes")
7.3 Exhaust System Components
7.3 Exhaust System Components Explain how the exhaust components are configured:
From Unit Unit Description To Unit Unit Description Percent Flow
103 Process Z03 Point of Air Emission 100

box to the right.			perating Permit.
Fuei/Product	Citation Number	Citation Limitation	Limitation Used
.8 Raw Materials			
List all of the ra	aw materials used in this proc	cess to the extent that this informat	on is needed to determine
regulate emissio			
	N29		
9 Processing Step To the extent tha	os t this information is needed to	determine or regulate emissions list	all of the processing stops on
9 Processing Step To the extent tha	os	determine or regulate emissions, list the material or product.	all of the processing steps an
9 Processing Step To the extent tha	os t this information is needed to	the material or product.	all of the processing steps an
9 Processing Step To the extent tha raw materials for	t this information is needed to each step utilized to complete	the material or product.	
9 Processing Step To the extent tha raw materials for	t this information is needed to each step utilized to complete	the material or product.	
9 Processing Step To the extent tha raw materials for	t this information is needed to each step utilized to complete	the material or product.	
9 Processing Step To the extent tha raw materials for	t this information is needed to each step utilized to complete	the material or product.	
Processing Step To the extent tha raw materials for	t this information is needed to each step utilized to complete Description	the material or product.	
Processing Step To the extent tha raw materials for ep Request for Continuous Continuou	t this information is needed to each step utilized to complete Description fidentiality	Raw	
Processing Step To the extent tha raw materials for ep 0 Request for Continuous Continu	t this information is needed to each step utilized to complete Description fidentiality	the material or product.	

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
	5-03-008-01	100.00 Th Gal/hr	
	•		16

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units
	1 No. 10			
			- 4	
				7

^{*}FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
N			15			
8		a)				
			A			

Section 7 - Pro	ocess Operational Inven	tory		
(Complete this sec	ction for each process at this sit	te. Duplicate this sec	ction as needed).	
For renewals, reviews Section 3 of this approximately	ew and correct any pre-printed pplication.	information and add	additional sections for any new	v process listed in
7.1 General Sou	urce Information	100		
a. Unit ID: 110	b. Con	mpany Designation:	LIME SILO 1 (3SL1)	
c. Plan Approval	or Operating Permit Number:			
d. Manufacturer:	12	e. Model Numb	er:	
f. Source Descri	iption: Process	P	<u></u>	
g. Rated Heat In	put/Thruput:	h.	Installation Date: 06/23/200	00
i. Exhaust Temperature	70 Units deg F j.	Exhaust 0 % Moisture	k. Exhaust Flow Volume:	1,000 SCFM
7.2 CAM Inform	nation			
Yes No			1909 - 1 107 - 37 - 320 - 320 - 320	2 00 4
	ssions unit uses a control device ntial precontrol emissions of ap			
s servers sames a securen	1945 PM			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(Addendum 3 must	be completed if both are checked '	'Yes')		9
	stem Components	A424 00		
Explain how	the exhaust components are c	onfigured:		
From Unit	Unit Description	To Unit	Unit Description	Percent Flow
110	Process	C10	Control Device	100
C10	Control Device	S10	Point of Air Emission	100

7.7	Source Applica	able Requirements			
	Describe and ci Note: A Method	te all applicable requirements p I of Compliance Worksheet (Ac	ertaining to this source. dendum 1) must be com	pleted for each re	quirement listed.
		nly list source level requiremen operating Permit. If there are n			nges from current Title V ng Permit.
F	uel/Product	Citation Number	Citation Limitati	on	Limitation Used
7.8	Raw Materials				
	List all of the ra	aw materials used in this prod	ess to the extent that the	nis information is	needed to determine or
	regulate emission	ons.			
					
7.9	Processing Ste	ne			
7.5	107 all also to the book and the book and the second all the book and	at this information is needed to	datarmina ar ragulata am	vissions list all of	the processing stone and
	raw materials for	each step utilized to complete	the material or product.	iissioris, iist ali or	the processing steps and
Step		Description		Raw Mat	erials
7.10	Request for Cor	nfidentiality			
		hat the information on this page	he considered kent conf	idential?	4
	☐ Yes	No	be considered kept com	idential:	
		ustification for confidentiality th	at meets the requirement	of 25 Pa. Code 8	127 411(d)
	,,,	**************************************	at mooto the requirement	o. 20 T d. 0000 3	127.411(0).
-					

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
LIME	3-05-888-01	200.00 Tons/hr	al
9			

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)
SCOT del Barried				
			27.00	

^{*}FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
		30				
×						
		Commence of the second				

Section 7 - P	rocess Operational In	ventory	20	93
(Complete this s	ection for each process at the	his site. Duplicate this see	ction as needed).	
For renewals, re Section 3 of this		inted information and add	additional sections for any ne	ew process listed in
7.1 General S	ource Information			
a. Unit ID: 1	12 b.	Company Designation:	LIME SILO 3 (3SL3)	
c. Plan Approv	al or Operating Permit Num	ber:		
d. Manufacture	er:	e. Model Numb	per:	
f. Source Desc	cription: Process			3
g. Rated Heat	Input/Thruput:	h.	Installation Date: 06/23/20	000
i. Exhaust Temperature	70 Units deg F	j. Exhaust 0 % Moisture	k. Exhaust Flow Volume:	1,000 SCFM
7.2 CAM Info	mation		8	
□ ⊠ Po		of applicable pollutant are	nce with emission limitations of at least 100 percent of the m	
	system Components w the exhaust components	are configured:	F	
From Unit	Unit Description	To Unit	Unit Description	Percent Flow
112	Process	C12	Control Device	100
C12	Control Device	S12	Point of Air Emission	100

7.7	Source A	Applicable Requirements			24
22	Describe Note: A l	and cite all applicable requi	rements pertaining to ssheet (Addendum 1)	this source. must be completed for ea	ch requirement listed.
	For renew current Ti box to the	vals, only list source level re tle V Operating Permit. If the right.	equirements not inclu- nere are no changes,		o changes from current Title V perating Permit.
F	uel/Produc	ct Citation Numbe	er Cit	ation Limitation	Limitation Used
7.8	Raw Mate	viale			
7.0		the raw materials used in	this process to the	extent that this information	on is needed to determine or
				3	
7.9	Processing To the exterior material		eeded to determine of complete the material	or regulate emissions, list a Il or product.	all of the processing steps and
Step		Descript	ion	Raw	Materials
7.10	Request fo	or Confidentiality			
	Do you req	uest that the information on	this page be conside	ered kept confidential?	w
		Yes 🛛 No			22
	If yes, inclu	de a justification for confide	ntiality that meets the	e requirement of 25 Pa. Co	ode § 127.411(d).
<u> </u>					
<u>200</u>	***************************************		***************************************		

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
LIME	3-05-888-01	230.00 Tons/hr	
	10		
	8 9		

If taking limitations on Fuel Physical Characteristics, see instructions.

FML	% Sulfur	% Ash	BTU Content (Units
	FML	FML % Sulfur	

^{*}FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Fuel .	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
			10			
		30 Z				
		9/.		*		
						62
		1				

Section 7 - F	rocess Operational Inve	ntorv						
	section for each process at this		ction as needed).					
- XX	view and correct any pre-printe			ew process listed in				
7.1 General S	ource Information							
a. Unit ID: _1	a. Unit ID: 114 b. Company Designation: BARGE UNLOADING AREA							
c. Plan Approv	al or Operating Permit Number:							
d. Manufacture	er:	e. Model Numb	er:					
f. Source Desc	cription: Process	95		ät				
g. Rated Heat	Input/Thruput:	h.	Installation Date: 06/23/20	00				
i. Exhaust Temperature	i. Exhaust 70 Units deg F j. Exhaust 0 k. Exhaust Flow 1,550 SCFM Temperature % Moisture Volume:							
7.2 CAM Info	mation		9					
Yes No								
	issions unit uses a control device							
☐ ⊠ Pot	ential precontrol emissions of a	pplicable pollutant are	at least 100 percent of the ma	ajor source amount.				
(Addendum 3 mi	ust be completed if both are che	cked "Yes")						
72 5.1								
	ystem Components w the exhaust components are	configured:						
From Unit	Unit Description	To Unit	Unit Description	Percent Flow				
114	Process	C14	Control Device	100				
C14	Control Device	S14	Point of Air Emission	100				

7.7	Source Applica	able Requirements			- S
	Describe and cir Note: A Method	te all applicable requirements p d of Compliance Worksheet (Ad	pertaining to this source idendum 1) must be co	e. Impleted for each	requirement listed.
٠	For renewals, or current Title V C box to the right.	nly list source level requiremen perating Permit. If there are n	its not included in the o changes, check the	⊠ No ch Opera	anges from current Title V ating Permit.
F	uel/Product	Citation Number	Citation Limita	ation	Limitation Used
		*			E.
7.8	Raw Materials List all of the ra regulate emission	aw materials used in this proc ns.	ess to the extent that	this information i	s needed to determine or
	Processing Step To the extent tha raw materials for	t this information is needed to each step utilized to complete	determine or regulate e the material or product.	missions, list all o	f the processing steps and
Step		Description		Raw Ma	iterials
7.10	Request for Con	fidentiality			
I	Do you request th	at the information on this page	be considered kept cor	nfidential?	
	☐ Yes	⊠ No			
1	f yes, include a ju	stification for confidentiality tha	it meets the requiremen	nt of 25 Pa. Code	§ 127.411(d).
-	E			777	

7.4 Source Classification Code (SCC) Listing for Standard Operation Fuel/Material Associated SCC Max Throughput Rate Firing Sequence LIME 3-05-888-01 230.00 Tons/hr

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units
40 00				

^{*}FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
						29
					*	
						-
-11						
						e2

Section 7 - F	Process Operational I	nventory		
(Complete this	section for each process at	this site. Duplicate this	section as needed).	
For renewals, re Section 3 of this	eview and correct any pre-p s application.	rinted information and a	dd additional sections for any n	ew process listed in
7.1 General S	Source Information		ē.	
a. Unit ID:	b.	Company Designation	n:	8
c. Plan Approv	val or Operating Permit Num	nber:		
d. Manufacture	er:	e. Model Nur	mber:	
f. Source Des	cription:			
g. Rated Heat	Input/Thruput:		h. Installation Date:	
i. Exhaust Temperature	Units ———	j. Exhaust % Moisture	k. Exhaust Flow Volume:	SCFM
7.2 CAM Info	rmation			
Yes No			9	k.
			ance with emission limitations of	
□ □ Po	tential precontrol emissions	of applicable pollutant a	re at least 100 percent of the m	ajor source amount.
(Addendum 3 m	ust be completed if both are	checked "Yes")	3	
	system Components w the exhaust components	are configured:		
From Unit	Unit Description	To Unit	Unit Description	Percent Flow
30)	*			
		1		

7.7 Source	Applicable Requirements		
Describ Note: A	e and cite all applicable requiremen Method of Compliance Worksheet	ts pertaining to this source. (Addendum 1) must be completed for ea	ch requirement listed.
current	ewals, only list source level requiren Title V Operating Permit. If there ar ne right.		changes from current Title V perating Permit.
Fuel/Prod	uct Citation Number	Citation Limitation	Limitation Used
		Fa	
			50
7.8 Raw Ma	terials		
List all regulate	of the raw materials used in this pemissions.	process to the extent that this information	on is needed to determine or
0 			
To the e	ing Steps xtent that this information is needed erials for each step utilized to comple	to determine or regulate emissions, list a ete the material or product.	all of the processing steps and
Step	Description	Raw	Materials
		4	
7.10 Request	for Confidentiality		
Do you r	equest that the information on this pa	age be considered kept confidential?	*
[] Yes		
If yes, inc	lude a justification for confidentiality	that meets the requirement of 25 Pa. Co	de § 127.411(d).
2 		3	

Vanadium	ELV	94 %	No data available - PM10/TSP value used
Beryllium	ELBE	94 %	No data available - PM10/TSP value used
Anthracene	CC24	94 %	No data available - PM10/TSP value used
Benzo(k)fluoranthene	CC27	94.%	No data available - PM10/TSP value used
Benzo(g,h,i)perylene	CC28	94 %	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	94 %	No data available - PM10/TSP value used
Chrysene	CC35	94 %	No data available - PM10/TSP value used
Dibenzo(a,h)anthracene	CC36	94 %	No data available - PM10/TSP value used
Fluoranthene	CC42	94 %	No data available - PM10/TSP value used
Indeno-1,2,3-cd-pyrene	CC44	94 %	No data available - PM10/TSP value used
Phenanthrene	CC47	94 %	No data available - PM10/TSP value used
Pyrene	CC48	94 %	No data available - PM10/TSP value used
3-Methylcholanthrene	CC55	94 %	No data available - PM10/TSP value used
7,12-Dimethylbenz(a)-anthracene	CC56	94 %	No data available - PM10/TSP value used

Vanadium	ELV	91.56 %	No data available - PM10/TSP value used
Beryllium	ELBE	91.56 %	No data available - PM10/TSP value used
Anthracene	CC24	91.56 %	No data available - PM10/TSP value used
Benzo(k)fluoranthene	CC27	91.56 %	No data available - PM10/TSP value used
Benzo(g,h,i)perylene	CC28	91.56 %	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	91.56 %	No data available - PM10/TSP value used
Chrysene	CC35	91.56 %	No data available - PM10/TSP value used
Dibenzo(a,h)anthracene	CC36	91.56 %	No data available - PM10/TSP value used
Fluoranthene	CC42	91.56 %	No data available - PM10/TSP value used
Indeno-1,2,3-cd-pyrene	CC44	91.56 %	No data available - PM10/TSP value used
Phenanthrene	CC47	91.56 %	No data available - PM10/TSP value used
Pyrene	CC48	91.56 %	No data available - PM10/TSP value used
3-Methylcholanthrene	CC55	91.56 %	No data available - PM10/TSP value used
7,12-Dimethylbenz(a)-anthracene	CC56	91.56 %	No data available - PM10/TSP value used

Section 8 - Control Device Info	rmation (dup	icate this section	n as needed)
For renewals, review and correct any p listed in Section 3 of this application.	re-printed informa	ation and add addition	al sections for any new control device
8.1 General Control Device Informa	ation		*
a. Unit ID: <u>C07</u> b. (Company Designa	ation: MAIN FLY AS	H SILO BAGHOUSE
c. Used by Sources:			
d. Type: Baghouse - Unknown Clea	aning Mechanism		
e. Pressure Drop in H ₂ 0:	f.	Capture Efficiency:	
g. Scrubber Flow Rate (GPM):			
n. Manufacturer: FLEXKLEEN	i.	Model Number:	
j. Installation Date:			
8.2 Control Device Efficiencies for t	this Control Devi	ce:	
Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate
		1	

Section 8 - Control Device Info	rmation (dupl	icate this section	as needed)
For renewals, review and correct any prolisted in Section 3 of this application.	e-printed informa	tion and add additiona	al sections for any new control device
8.1 General Control Device Informa	tion		
a. Unit ID: C09 b. C	Company Designa	ation: LIME SILO BA	GHOUSE
c. Used by Sources:			
d. Type: Baghouse - Unknown Clea	ning Mechanism	8	5/ 5/ 5/ 5/ 5/
e. Pressure Drop in H ₂ 0:	f.	Capture Efficiency:	
g. Scrubber Flow Rate (GPM):		1)	w §
h. Manufacturer: FLEXKLEEN	i.	Model Number:10	00-3VT-36IIG
j. Installation Date:			•
8.2 Control Device Efficiencies for t	his Control Devi	ice:	
Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate
C.			
			3

Section 8 - Control Device Information	n (duplicate this section as needed)
For renewals, review and correct any pre-printed listed in Section 3 of this application.	information and add additional sections for any new control device
8.1 General Control Device Information	
a. Unit ID: C11 b. Company	Designation: SILO 2 BAGHOUSE (3DC2)
c. Used by Sources: 111	
d. Type: Baghouse - Reverse Air Jets	
e. Pressure Drop in H ₂ 0: 10	f. Capture Efficiency: 100
. Scrubber Flow Rate (GPM):	
Manufacturer: SLY INC., C/O NELSON ENGINEERING	i. Model Number: CF-2-2
Installation Date: 06/23/2000	er en
.2 Control Device Efficiencies for this Control	rol Device :
ollutant Name CAS Nu	imber Estimate Control Basis for Efficiency Estimate

Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate
Particulate Matter < 10 Microns	PM10	99.9 %	Rated efficiency: guaranteed minimum
			6
	-		
	= 1		

Section 8 - Control Device Info	rmation (dup	licate this section	ı as needed)
For renewals, review and correct any polisted in Section 3 of this application.	re-printed informa	ation and add addition	al sections for any new control device
8.1 General Control Device Informa	ation		
a. Unit ID: C13 b. (Company Designa	ation: LIME CRUSH	ER BAGHOUSE (3DC4)
c. Used by Sources: 113			8
d. Type: Baghouse - Reverse Air Je	ets		
e. Pressure Drop in H ₂ 0: 10	f.	Capture Efficiency:	100
g. Scrubber Flow Rate (GPM):	1	55	
h. Manufacturer: SLY, INC., C/O NE ENGINEERING	ELSON i.	Model Number: C	F-2-4
j. Installation Date: 06/23/2000		i i	
8.2 Control Device Efficiencies for t	his Control Dev	ice :	ž
Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate
Particulate Matter < 10 Microns	PM10	99.9 %	Rated efficiency: guaranteed minimum
			THE THE PARTY OF STREET PARTY STREET COMMISSION OF THE PARTY OF THE PA

	duplicate this section as needed) formation and add additional sections for any new control device
8.1 General Control Device Information	
	esignation: VACUUM CONVEYING SYSTEM BAGHOUSE
c. Used by Sources: 115 d. Type: Baghouse - Reverse Air Jets	
e. Pressure Drop in H ₂ 0: 6	f. Capture Efficiency: 100
g. Scrubber Flow Rate (GPM):	
h. Manufacturer: FULLER BULK HANDLING	i. Model Number: 85FRC49
i. Installation Date: 06/23/2000	g g

Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate
Particulate Matter < 10 Microns	PM10	99.9 %	Rated efficiency: guaranteed minimum

Section 9 - Stack/Flue Information (duplicate this section as needed) For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application. 9.1 General Stack/Vent Information Unit ID: S01 b. Company Designation: BOILER 1 STACK Discharge Type: VERTICAL: UNOBSTRUCTED OPENING C. Diameter (ft): 14 d. Height (ft): 193 Base Elevation (ft): Exhaust Temperature: 375 deg F Exhaust % Moisture: 2 Exhaust Velocity (m/Sec): 7.92 Exhaust Volume: 240,001 ACFM Exhaust Volume: 149,289 SCFM Distance to Nearest Property Line (ft): Weather Cap?: Yes ☐ No Used by Sources: 031 UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74 k. Method of Obtaining UTM: a. Unit ID: S02 b. Company Designation: BOILER 2 STACK Discharge Type: VERTICAL: UNOBSTRUCTED OPENING d. Diameter (ft): Height (ft): Base Elevation (ft): e. Exhaust Temperature: 375 deg F Exhaust % Moisture: 2 Exhaust Velocity f. Exhaust Volume: 240,001 ACFM Exhaust Volume: 149,289 SCFM g. Distance to Nearest Property Line (ft): h. Weather Cap?: Yes □ No Used by Sources: 032 UTM Zone: 17 UTM East: 587.74 UTM North: 4452.62 k. Method of Obtaining UTM:

Section 9 - Stack/Flue Information (duplicate this section as needed) For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application. 9.1 General Stack/Vent Information Unit ID: S05 b. Company Designation: AUX BOILERS STACK Discharge Type: VERTICAL: UNOBSTRUCTED OPENING Diameter (ft): 3.5 Height (ft): 150 Base Elevation (ft): 788 Exhaust Temperature: 385 deg F Exhaust % Moisture: 18 Exhaust Velocity (m/Sec): 6.98 Exhaust Volume: 13,217 ACFM Exhaust Volume: 6,798 SCFM Distance to Nearest Property Line (ft): h. Weather Cap?: Yes □ No Used by Sources: 035, 036 UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74 k. Method of Obtaining UTM: Unit ID: S06 b. Company Designation: EMERGENCY DIESEL GENERATOR STACK Discharge Type: VERTICAL: WEATHER CAP/SIMILAR OBSTRUCTIN Diameter (ft): Height (ft): Base Elevation (ft): Exhaust Temperature: 120 deg F Exhaust % Moisture: 0 Exhaust Velocity Exhaust Volume: 1 ACFM Exhaust Volume: Distance to Nearest Property Line (ft): h. Weather Cap?: Yes □ No Used by Sources: 101 UTM North: 4452.62 UTM East: 587.74 j. UTM Zone: 17 k. Method of Obtaining UTM:

Section 9 - Stack/Flue Information (duplicate this section as needed) For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application. 9.1 General Stack/Vent Information Unit ID: S12 b. Company Designation: SILO 3 BAGHOUSE STACK Discharge Type: VERTICAL: UNOBSTRUCTED OPENING d. Diameter (ft): 1 Height (ft): 50 Base Elevation (ft): e. Exhaust Temperature: 70 deg F Exhaust % Moisture: 0 Exhaust Velocity (m/Sec): 6.47 Exhaust Volume: 1,000 ACFM f. Exhaust Volume: 1,000 SCFM Distance to Nearest Property Line (ft): g. Weather Cap?: Yes □ No Used by Sources: C12 UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74 k. Method of Obtaining UTM: a. Unit ID: S13 b. Company Designation: CRUSHER BAGHOUSE STACK Discharge Type: VERTICAL: UNOBSTRUCTED OPENING Height (ft): Diameter (ft): 1 50 Base Elevation (ft): Exhaust Temperature: 70 deg F Exhaust % Moisture: 0 Exhaust Velocity (m/Sec): 20.37 Exhaust Volume: 3,150 ACFM Exhaust Volume: 3,150 SCFM Distance to Nearest Property Line (ft): h. Weather Cap?: Yes ☐ No Used by Sources: C13 UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74 k. Method of Obtaining UTM:

Section 9 - Stack/Flue Information (duplicate this section as needed) For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application. 9.1 General Stack/Vent Information b. Company Designation: FACILITY TOTAL DUST EMISS a. Unit ID: Z02 Discharge Type: FUGITIVE EMISSIONS Diameter (ft): Height (ft): d. Base Elevation (ft): Exhaust Temperature: 68 deg F Exhaust % Moisture: 0 Exhaust Velocity : Exhaust Volume: 1 ACFM Exhaust Volume: 1 SCFM Distance to Nearest Property Line (ft): h. Weather Cap?: Yes ☐ No Used by Sources: 102 UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74 k. Method of Obtaining UTM: a. Unit ID: Z03 b. Company Designation: FUEL OIL STORAGE c. Discharge Type: FUGITIVE EMISSIONS d. Diameter (ft): Height (ft): Base Elevation (ft): e. Exhaust Temperature: 68 deg F Exhaust % Moisture: 0 Exhaust Velocity : f. Exhaust Volume: 1 ACFM Exhaust Volume: g. Distance to Nearest Property Line (ft): h. Weather Cap?: Yes ☐ No i. Used by Sources: 103 j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74 k. Method of Obtaining UTM:

Section 9 - Stack/Flue Information (duplicate this section as needed) For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application. 9.1 General Stack/Vent Information a. Unit ID: _____ b. Company Designation: ____ Discharge Type: C. Diameter (ft): Height (ft): Base Elevation (ft): d. e. Exhaust Temperature: Exhaust % Moisture: Exhaust Velocity : Exhaust Volume: ACFM f. Exhaust Volume: SCFM Distance to Nearest Property Line (ft): h. Weather Cap?: Used by Sources: UTM Zone: UTM North: UTM East: k. Method of Obtaining UTM: a. Unit ID: _____ b. Company Designation: _____ c. Discharge Type: d. Diameter (ft): Height (ft): Base Elevation (ft): e. Exhaust Temperature: Exhaust % Moisture: Exhaust Velocity : Exhaust Volume: ACFM f. Exhaust Volume: SCFM g. Distance to Nearest Property Line (ft): h. Weather Cap?: i. Used by Sources: j. UTM Zone: UTM North: UTM East: ____ k. Method of Obtaining UTM:

Section	on 11 - Compliance Plan for the Facility		
		Yes	No
			NO
11.1	Will your facility be in compliance with all applicable requirements at the time of permit issuance and continue to comply with these requirement during the permit duration?	he 🛛 nts	
11.2	Will your facility be in compliance with all applicable requirement presently scheduled to take effect during the term of the permit?	ats 🖂	
11.3	Will these requirements be met by the regulatory required dates?		
	If you checked "NO" in part 11.1, 11.2 or 11.3, answer the following que	stions:	
11.4	Identify applicable requirement(s) for which compliance is not or will not	be achieved:	
	Source ID Number	Citation Number	
11.4.2	Briefly describe how compliance with this/these applicable requirement(s) will be achieved:	
	3		
			13

Se	ction 12 –	Alternative O	perating Scen	nario (optiona	I)	80	
(Dı	uplicate this	section for each	source participa	ated in this alter	native scenarios)		
12.	1 General In	formation		S S	N 120		
a.	Alternative (Operating Scenar	io Name or ID No.		au		
b.	Source ID N	lo.:		c. Source	e Name:		
d.	Source Type	e (check one):	Combustion	lı	ncinerator	Process	8
e.	Give a brief	description of this	alternative scena	ario stating how it	is different from th	e standard opera	tion:
					¥.		
				\$5 <u>6</u> 6			
12.	2 Operation	al Flexibility Req	uest				
	eck all that a						
-			(a)				
	1 137110390390		ystem component, complete Section	5-101-4-1011 (01-40-1-01-01-01-01-01-01-01-01-01-01-01-01-			
					an existing fuel in s	standard operation	n.
	If th	is box is checked,	complete Section	ns 12.4 and/or 12.	5 and 12.7		
	2		riedskald i kalektaria erika falka erika i kalektaria.		process SCC exist	ing in standard or	peration.
	If th	is box is checked,	complete Section	12.6 and 12.7			
12.	3 Exhaus	t System Compo	nents				
Spe	cify the compl	ete exhaust system	component configu	ration for this alter	native operating sce	nario.	
Co	From omponent	From Component	To Component	To Component			
981 000	Туре	Number	Туре	Number	Percent Flow	Begin Date	End Date
=======================================							
							2
							_

12.7 Source Potential to Emit

Give Potential Emission estimate for all air pollutants emitted at this source for this operating scenario.

Pollutant or CAS Number	Fuel	Emission/Activity Allowable per Unit	Calc. Method	Max. Capacity	Total Hours	Emission in TPY
	*					
-			*			
	<u> </u>					
40						
	7000					